



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**RBT18560-9**  
**Job Sheet 189453**



**Part No:** RBT18560-9

**Job Qty:** 20 pcs

**Part Name:** Cross Bar



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 1/24/19

**Job Tracking No:**

**Due Date:** 2/8/19

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:**

**Note:** DWG RBT18560 Rev4 IPP Rev A 17.11.13 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation        | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off        |
|-------|------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|-----------------|
|       |                  |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                 |
| 105   | Bandsaw - 1      | 20 pcs | 2/8/19     | 2/8/19   | 0.00      | 2.00    | Bandsaw - 1           |           | one P.T 19-02-7 |
| 110   | NV5000 - 1 - B4B | 20 pcs | 2/8/19     | 2/8/19   | 0.00      | 10.00   | NV5000 - 1 - B4B      |           | one P.T 19-02-7 |
|       |                  |        |            |          |           |         | NV5000 - 2 - B4B      |           |                 |
| 120   | QC 2             | 20 pcs | 2/8/19     | 2/8/19   | 0.00      | 0.00    | QC 2 - 1              |           | one P.T 19-02-7 |
|       |                  |        |            |          |           |         | QC 2 - 12             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 14             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 17             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 19             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 2              |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 20             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 22             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 23             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 25             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 32             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 33             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 35             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 38             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 39             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 4              |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 40             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 44             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 45             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 48             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 49             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 50             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 51             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 52             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 54             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 56             |           |                 |
|       |                  |        |            |          |           |         | QC 2 - 57             |           |                 |

Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com



**Container No:** S151610



**Part:** RBT18560-9

**Job No:** 189453

**Serial No/Batch:** S151610

**Revision:** 4

**Inspector:**

**Exp Date:**

**Instructions:**

Date: 02/07/19

|     |                               |           |        |           |                          |              |
|-----|-------------------------------|-----------|--------|-----------|--------------------------|--------------|
| 130 | QC 8                          | 20<br>pcs | 2/8/19 | 0.00 0.00 | QC 2 - 62                |              |
|     |                               |           |        |           | QC 2 - 63                |              |
|     |                               |           |        |           | QC 2 - 8                 |              |
|     |                               |           |        |           | QC 8 - 12                |              |
|     |                               |           |        |           | QC 8 - 14                |              |
|     |                               |           |        |           | QC 8 - 17                |              |
|     |                               |           |        |           | QC 8 - 20                |              |
|     |                               |           |        |           | QC 8 - 25                |              |
|     |                               |           |        |           | QC 8 - 3                 |              |
|     |                               |           |        |           | QC 8 - 32                |              |
|     |                               |           |        |           | QC 8 - 33                |              |
|     |                               |           |        |           | QC 8 - 35                |              |
|     |                               |           |        |           | QC 8 - 38                |              |
|     |                               |           |        |           | QC 8 - 39                |              |
|     |                               |           |        |           | QC 8 - 4                 |              |
|     |                               |           |        |           | QC 8 - 44                |              |
|     |                               |           |        |           | QC 8 - 45                |              |
|     |                               |           |        |           | QC 8 - 49                |              |
|     |                               |           |        |           | QC 8 - 58                |              |
|     |                               |           |        |           | QC 8 - 8                 | B.p 19-02-11 |
|     |                               |           |        |           | QC 8 - 9                 |              |
|     |                               |           |        |           | QC 8 - 68                |              |
|     |                               |           |        |           | QC 8 - 67                |              |
|     |                               |           |        |           | QC 8 - 1 (A)             |              |
| 135 | Handfinish -7-1-BeadBlast-B4B | 20<br>pcs | 2/8/19 | 0.00 2.00 | Handfinish - 7 - 1 - B4B | BEB 19-02-12 |
| 150 | Outsource - 12 - Black Oxide  | 20<br>pcs | 2/8/19 |           | GRO002-VC 5              | CT 19-02-11  |
| 160 | Packaging 2-1 - Receive - B4B | 20<br>pcs | 2/8/19 | 0.00 0.00 | Packaging 2 - 1 - B4B    |              |
| 210 |                               |           |        |           | Packaging 2 - 2 - B4B    |              |
|     |                               |           |        |           | Packaging 2 - 3 - B4B    |              |
|     |                               |           |        |           | Packaging 2 - 5 - B4B    | FEB 22 2019  |
|     |                               |           |        |           | Packaging 2 - 4 - B4B    |              |
|     |                               |           |        |           | Packaging 2 - 6 - B4B    |              |
|     |                               |           |        |           | Packaging 2 - 7 - B4B    |              |
|     |                               |           |        |           | Packaging 2 - 8 - B4B    |              |
|     |                               |           |        |           | Packaging 2 - 9 - B4B    |              |
|     |                               |           |        |           | Packaging 2 - 10 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 11 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 12 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 13 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 14 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 15 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 16 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 17 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 18 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 19 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 20 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 21 - B4B   |              |
|     |                               |           |        |           | Packaging 2 - 22 -       |              |

Plex 1/24/19 11:20 AM Dart.lajeunesse.marie

|     |                             |        |        |                        |                        |
|-----|-----------------------------|--------|--------|------------------------|------------------------|
|     |                             |        |        | B4B                    |                        |
|     |                             |        |        | Packaging 2 - 23 - B4B |                        |
|     |                             |        |        | Packaging 2 - 24 - B4B |                        |
|     |                             |        |        | Packaging 2 - 25 - B4B |                        |
|     |                             |        |        | Packaging 2 - 26 - B4B |                        |
|     |                             |        |        | Packaging 2 - 27 - B4B |                        |
|     |                             |        |        | Packaging 2 - 28 - B4B |                        |
|     |                             |        |        | Packaging 2 - 29 - B4B |                        |
|     |                             |        |        | Packaging 2 - 30 - B4B |                        |
|     |                             |        |        | Packaging 2 - 31 - B4B |                        |
|     |                             |        |        | Packaging 2 - 32 - B4B |                        |
|     |                             |        |        | Packaging 2 - 33 - B4B |                        |
|     |                             |        |        | Packaging 2 - 34 - B4B |                        |
|     |                             |        |        | Packaging 2 - 35 - B4B |                        |
|     |                             |        |        | Packaging 2 - 36 - B4B |                        |
| 170 | QC 6                        | 20 pcs | 2/8/19 | 0.00 0.00              | QC 6 - 38              |
|     |                             |        |        |                        | QC 6 - 42              |
|     |                             |        |        |                        | QC 6 - 9               |
|     |                             |        |        |                        | QC 6 - 68              |
|     |                             |        |        |                        | QC 6 - 61              |
| 180 | Packaging 3-1 - Stock - B4B | 20 pcs | 2/8/19 | 0.00 0.00              | Packaging 3 - 1 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 2 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 3 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 4 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 5 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 6 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 7 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 8 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 9 - B4B  |
|     |                             |        |        |                        | Packaging 3 - 10 - B4B |
|     |                             |        |        |                        | Packaging 3 - 11 - B4B |
|     |                             |        |        |                        | Packaging 3 - 12 - B4B |
|     |                             |        |        |                        | Packaging 3 - 13 - B4B |
|     |                             |        |        |                        | Packaging 3 - 14 - B4B |
|     |                             |        |        |                        | Packaging 3 - 15 - B4B |
|     |                             |        |        |                        | Packaging 3 - 16 - B4B |
|     |                             |        |        |                        | Packaging 3 - 17 - B4B |
|     |                             |        |        |                        | Packaging 3 - 18 - B4B |
|     |                             |        |        |                        | Packaging 3 - 19 - B4B |
|     |                             |        |        |                        |                        |
|     |                             |        |        |                        |                        |

DAS  
MAR 01 2019 68  
9-89

DAS  
28  
9-89



|                |        |        |           |                        |                |
|----------------|--------|--------|-----------|------------------------|----------------|
|                |        |        |           | Packaging 3 - 20 - B4B |                |
|                |        |        |           | Packaging 3 - 21 - B4B |                |
|                |        |        |           | Packaging 3 - 22 - B4B |                |
|                |        |        |           | Packaging 3 - 23 - B4B |                |
|                |        |        |           | Packaging 3 - 24 - B4B |                |
|                |        |        |           | Packaging 3 - 25 - B4B |                |
|                |        |        |           | Packaging 3 - 26 - B4B |                |
|                |        |        |           | Packaging 3 - 27 - B4B |                |
|                |        |        |           | Packaging 3 - 28 - B4B |                |
|                |        |        |           | Packaging 3 - 29 - B4B |                |
|                |        |        |           | Packaging 3 - 30 - B4B |                |
|                |        |        |           | Packaging 3 - 31 - B4B |                |
|                |        |        |           | Packaging 3 - 32 - B4B |                |
|                |        |        |           | Packaging 3 - 33 - B4B |                |
|                |        |        |           | Packaging 3 - 34 - B4B |                |
|                |        |        |           | Packaging 3 - 35 - B4B |                |
|                |        |        |           | Packaging 3 - 36 - B4B |                |
| 230 QC 21 - SA | 20 pcs | 2/8/19 | 0.00 0.00 | QC 21 - SA - 21        | DAS            |
|                |        |        |           | QC 21 - SA - 70        | 21 MAR 01 2019 |

Part Op 105 - Bandsaw - Cut blanks to 3.95"

Descriptions: 110 - NV5000-1 MORI SEIKI VERTICAL MACHINE #1 - 1-Machine as per folio FB728 FOLIO REV: \_\_\_\_\_ DWG

REV: \_\_\_\_\_ 2-Deburr 3-Engrave T/N And / or S/N number as required Using Marktronic engraver as per DWG.

120 - QC2- Inspect parts off machine FAI/FAIB

130 - QC8- Inspect parts - second check

135 - Bead blast

150 - -Issue P/O to Groupe Altech; PO 042612 -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required

160 - Receive &amp; Inspect for Damage &amp; Mat'l Certs

170 - QC6- All purchased or subcontracted products

180 - Identify as per dwg &amp; Stock Location: \_\_\_\_\_

230 - QC21- Final Inspection - Work Order Release

## Job BOM

| Part / Item        | Component Name                   | Quantity           | Operation       | Container |
|--------------------|----------------------------------|--------------------|-----------------|-----------|
| M1018B0.500X01.000 | 1010-1025 Steel Bar .500 X 1.000 | 6.6000 ft (.33 ea) | 105-Bandsaw - 1 | 5018266   |

## Job Allocations

| Operation       | Component Part     | Required | Inventory | Allocated |
|-----------------|--------------------|----------|-----------|-----------|
| 105-Bandsaw - 1 | M1018B0.500X01.000 | 7        | 7         | 0         |

## Part Specifications

Specifications could not be found.

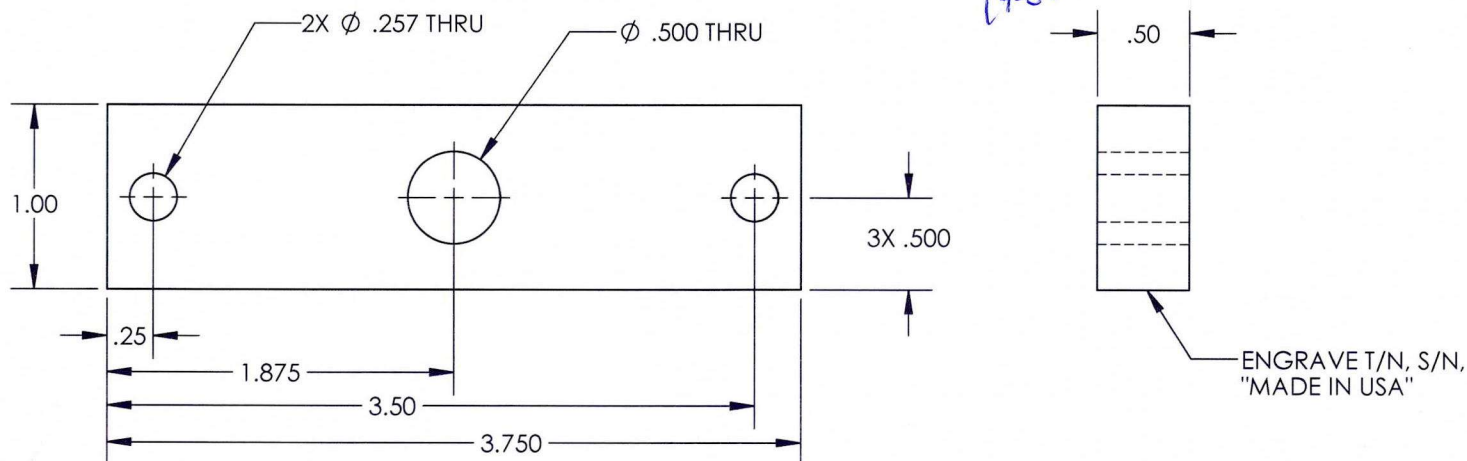
Plex 1/24/19 11:20 AM Dart.lajeunesse.marie



This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |         |                                                  |            |         |          |
|-----------|---------|--------------------------------------------------|------------|---------|----------|
| REV       | ECR     | DESCRIPTION                                      | DATE       | INITIAL | APPROVED |
| 3         |         | CH'D -9 HOLE FROM Ø.250 TO Ø.257 PER S.E.        | 12/29/2011 | RJC     | SE       |
| 4         | 15-0472 | CH'D -9 ENGRAVE NOTE TO: T/N, S/N, "MADE IN USA" | 1/5/2016   | SM      |          |

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 184455 M05  
190129



(-9)  
CROSS BAR

|                                            |                              |
|--------------------------------------------|------------------------------|
| <b>DART<br/>AEROSPACE</b>                  |                              |
| TITLE<br><b>ENGINE/GEARBOX SEAL PULLER</b> |                              |
| DWG NO.<br><b>RBT18560-9</b>               | REV<br><b>4</b>              |
| MAT'L 1018/1020 CR                         | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                                 | DIMENSIONS ARE IN INCHES     |
| FINISH BLACK OXIDE                         | .XXX ± .005 FRACTIONS ± 1/8  |
| SPEC                                       | .XX ± .01 ANGLES ± 5°        |
|                                            | .X ± .1 SURFACES = 125/      |
| DRAWN BY: COLE                             | 1. BREAK ALL SHARP EDGES     |
| CHECKED:                                   | .015 x 45° OR .015R          |
| OPPS APPR:                                 | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR:                                   | AFTER PLATING                |
| APPROVED: WEIL                             | 3. INTERPRET DIM AND TOL PER |
|                                            | ASME Y14.5M-2009             |
|                                            | USED ON MODEL                |
|                                            | SEE SHT 1                    |
| SCALE 1:1                                  | DATE 5/2/2002                |
|                                            | SHEET 5 OF 6                 |





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO042612



**Supplier:** GRO002-VC  
Group Altech  
2455 Halpern  
St Laurent  
QC  
H4S 1N9 Canada  
Phone: 514-335-3666  
Fax: 514-335-3868

**PO No:** PO042612  
**PO Date:** 2/14/19  
**Due Date:** 2/22/19  
**Purchase Order  
Revision:**  
**Revision Date:**  
**Ship-To Contact:** Tsimiklis, ChrisoulaPhone:

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground  
**Pymt Terms:** Net 60  
**Freight Terms:**  
**Special Comments:**

## Items

| Line Item | Job    | Part                | Description                                                                                                                                                                                                                                                                                                                                       | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|--------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1         | 189091 | RBT400325           | Tail Boom Nut Socket (407)<br>-Issue P/O to Groupe Altech;<br>PO _____<br>-Black oxide finish, MIL-C-13924C Class 1<br>-Certificate of Conformity is required                                                                                                                                                                                     | Firmed | -       | 2/22/19  | 12 pcs         | 0 pcs             | 12 pcs  | \$2.1136363/pcs  | \$25.36        |
|           |        |                     |                                                                                                                                                                                                                                                                                                                                                   |        |         |          | 12 X           | FEB 22 2019       |         |                  |                |
| 2         | 189453 | RBT18560-9          | Cross Bar<br>-Issue P/O to Groupe Altech;<br>PO _____<br>-Black oxide finish, MIL-C-13924C Class 1<br>-Certificate of Conformity is required                                                                                                                                                                                                      | Firmed | -       | 2/22/19  | 21 pcs         | 0 pcs             | 21 pcs  | \$2.1136363/pcs  | \$44.39        |
|           |        |                     |                                                                                                                                                                                                                                                                                                                                                   |        |         |          | 21 X           | FEB 22 2019       |         |                  |                |
| 3         | 189252 | RBE350A93-3312-03-1 | Receiver (Outside Processing - Black Oxide)<br>-Issue P/O to GROUPE ALTECH;<br>PO _____<br>-Black oxide finish, MIL-C-13924C Class 1<br>-Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess.<br>-Material type;<br>-Certificate of Conformity is required | Firmed | -       | 2/22/19  | 15 pcs         | 0 pcs             | 15 pcs  | \$3.35/pcs       | \$50.25        |
|           |        |                     |                                                                                                                                                                                                                                                                                                                                                   |        |         |          | 15 X           | FEB 22 2019       |         |                  |                |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## PO042612



### Items

| Line Item    | Job | Part | Description | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|--------------|-----|------|-------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| Grand Total: |     |      |             |        |         |          |                |                   |         |                  | \$120.00       |

### Order Notes

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)

A022 Apical Processing  
A024 process certifications  
A026 certification of material conformance

A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 2/15/19 1:15 PM dart.tsimiklis.chrisoula





## Certificat de Conformité / Certificate of Compliance



0 1 6 8 9 3 - 1

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9  
Tel: 514-335-3666 Fax: 514-335-3868  
www.groupaltech.com

## Bon de Livraison / Packing Slip

016893- 1

Livré à / Ship to

**DART AEROSPACE LTD**  
1270 ABERDEEN STREET  
HAWKESBURY, ON, K6A1K7  
CANADA  
Tel.: 613-632-5200 Fax.:

Client / Customer:

**DART AEROSPACE LTD**  
1270 ABERDEEN STREET  
HAWKESBURY, ON, K6A1K7  
CANADA  
BUYER:

|                              |                                                                           |                                                                                                                                                      |                                                |                   |                                                       |                 |                                             |               |                        |
|------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------|-------------------------------------------------------|-----------------|---------------------------------------------|---------------|------------------------|
| Date expédition<br>Ship date |                                                                           | Créé Par<br>Generated By                                                                                                                             | Transport / No de Compte<br>Courier / Acc. No. |                   | Bon de commande Client<br>Customer Purchase Order No. |                 |                                             |               |                        |
| 21-Feb-2019                  |                                                                           | SPARTAKOS BOUNTOURIS                                                                                                                                 |                                                |                   |                                                       | 042612 ✓        |                                             |               |                        |
| #Ligne<br>Line#              | No. de Série / # Pièce<br>Part Number /Line Item Details<br>Job # / Ref # | Description pièce(s)                                                                                                                                 |                                                | CATG.<br>U/M      | Comm.<br>/Ordered                                     | Exp/<br>Shipped | Quantités / Quantities<br>Qté NC/<br>NC Qty | Qté<br>Scrap/ | À venir/<br>Back Order |
| 1                            | RBT400325 ✓<br>Rev.                                                       | RBT400325<br>01 -OXIDE BLACK [OXIDE BLACK<br>MIL-C-13924C CLASS 1                                                                                    |                                                | OXIDE-BLACK<br>CH | 12                                                    | 12 ✓            | 0                                           | 0             | 0                      |
| 2                            | RBT18560-9 ✓<br>Rev.                                                      | RBT18560-9<br>BLACK OXIDE FINISH MIL-C-13924C CLASS 1                                                                                                |                                                | OXIDE-BLACK<br>CH | 21                                                    | 21 ✓            | 0                                           | 0             | 0                      |
| 3                            | RBE350A93-3312-03-1 ✓<br>Rev.                                             | RBE350A93-3312-03-1<br>01 -OXIDE-BLK & OIL [OXIDE BLACK AND OIL]<br>MIL-C-13924C CLASS 1<br><br>APPLY THIN LAYER OF OILMIL-PRF-16173 GRADE 3 CLASS 1 |                                                | BLACK-OXIDE<br>CH | 15                                                    | 15 ✓            | 0                                           | 0             | 0                      |

You already have  
at shop

42649

## Notes Additionnelles / Additional Notes

Epaisseur réelle  
Actual Thickness

Inspecteur Qualité  
Quality Inspector

Réçu par  
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.  
Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.  
Our financial and legal responsibility will not be higher than the amount of invoice.